

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior version, and listings, of claims in the application:

Listing of Claims:

1-20. (Canceled)

21. (Previously Presented) A method for filtering on-line service information provided through a management portal to a customer of customized network services provided by resources of a service provider network, comprising:

 applying to said service provider network a security filter definable by a service provider and not the customer, said security filter corresponding to the customer and specifying the network resources of a partitioned network allocated to that customer, the partitioned network including at least a portion of said service provider network;

 applying a display filter to resources of the service provider network not excluded by said security filter, said display filter specifying network resources for which the on-line service information is desired by the customer; and

 executing at least one management information module to generate a portal display of on-line service information, wherein said at least one management information module operates on only those network resources of said service provider network which have not been excluded by said security filter and said display filter, and wherein the displayed on-line service information comprises network management information regarding the network resources not excluded by said security filter and display filter.

22. (Previously Presented) The method of claim 21, wherein applying said security filter comprises:

 applying a customer sub-filter to provide an association of said corresponding customer and said network resources contained in said partitioned network allocated to the customer.

23. (Previously Presented) The method of claim 21, wherein said at least one management information module comprises:

 an alarm module configured to display information regarding alarm conditions occurring in said non-excluded network resources.

24. (Previously Presented) The method of claim 21, wherein said at least one management information module comprises:

a topology module configured to display at least a graphical representation of network elements and connections between said network elements included in said non-excluded network resources.

25. (Previously Presented) The method of claim 21, wherein said at least one management information module comprises:

a network health module configured to display a status or health report of said non-excluded network resources.

26. (Previously Presented) A method for filtering on-line service information presented through a management portal to a customer of customized network services provided by resources of a service provider network, comprising:

partitioning the service provider network into a plurality of partitioned networks;

allocating one of said partitioned networks to the customer;

storing, in a configuration database accessible by a service provider and not the customer, security filters each specifying network resources of a partitioned network allocated to a corresponding customer;

providing a plurality of modules each configured to provide a respective portal display of on-line service information;

storing, in a filter library accessible to the customer, display filters each configured to specify customer-selected network resources to which selected ones of said plurality of modules is to be applied; and

displaying a portal display of on-line service information generated from application of one of said plurality of modules to network resources resulting from application to the service provider network of a security filter corresponding to the customer and at least one of said display filters, and wherein the displayed on-line service information comprises network management information regarding the network resources resulting from the application of the security filter and the at least one display filter.

27. (Previously Presented) The method of claim 26, further comprising:

specifying a customer sub-filter of said security filter, said customer sub-filter configured to provide an association of the corresponding customer and said network resources contained in said partitioned network allocated to that customer.

28. (Previously Presented) The method of claim 27, wherein said customer sub-filter is configured to filter on at least one of a node level and interface level of said service provider network.

29. (Previously Presented) The method of claim 26, further comprising:

specifying an internet protocol (IP) host sub-filter of said security filter, said IP host sub-filter configured to filter on a network name of a network device.

30. (Previously Presented) The method of claim 26, further comprising:

specifying an internet protocol (IP) interface sub-filter of said security filter, said IP interface sub-filter configured to filter on an IP address of a network device.

31. (Previously Presented) The method of claim 26, further comprising:

specifying a node selection sub-filter of said display filter, said node selection sub-filter configured to filter on network nodes of the service provider network.

32. (Previously Presented) The method of claim 26, further comprising:

specifying an interface selection sub-filter of said display filter, said interface selection sub-filter configured to filter one a set of at least one network interfaces.

33. (Previously Presented) The method of claim 26, wherein providing a plurality of modules comprises:

providing an alarm module configured to display alarm conditions in network resources to which said alarm module is applied.

34. (Previously Presented) The method of claim 33, wherein storing display filters comprises:

storing an alarm sub-filter of the display filter, said alarm sub-filter providing filtering capability of a display of alarm categories.

35. (Previously Presented) The method of claim 26, wherein providing a plurality of modules comprises:

providing a topology module configured to display at least a graphical representation of network elements and connections between said network elements.

36. (Previously Presented) The method of claim 35, wherein storing a display filter comprises:

storing a topology map sub-filter of the display filter, said topology map sub-filter configured to identify which of said network elements and network element connections to include in said topology map.

37. (Previously Presented) The method of claim 26, wherein providing a plurality of modules comprises:

providing a network health module configured to display a status or health report network resources to which said network health module is applied.

38. (Previously Presented) The method of claim 37, wherein storing a display filter comprises:

storing a network health sub-filter of the display filter, said network health sub-filter configured to identify which of said network elements to monitor for said status and health report.

39. (Previously Presented) The method of claim 26, further comprising:

invoking said security filter by parsing a customer record in said configuration database.

40. (Previously Presented) The method of claim 26, further comprising:

invoking at least one of said display filters by invoking one of said modules.

41. (Previously Presented) A system for filtering on-line service information presented through a management portal to a customer of customized network services provided by resources of a partition of a service provider network which has been allocated to the customer, comprising:

a configuration database, accessible by the service provider and not the customer, configured to store a plurality of security filters each specifying for a corresponding customer the network resources of said service provider network which has been allocated to that customer;

a library of modules each configured to provide a respective portal display of on-line service information;

a filter library, accessible to the customer, comprising display filters each configured to specify customer-selected network resources to which selected ones of said plurality of modules is to be applied;

a display manager configured to construct a portal display of on-line service information resulting from an application of selected module to a network resource of said service provider network of resulting from application a security filter corresponding to the customer and a display filter, and wherein the on-line service information comprises network management information regarding the network resources resulting from the application of the security filter and the at least one display filter.

42. (Previously Presented) The system of claim 41, wherein said security filter comprises:

a customer sub-filter configured to provide an association of the corresponding customer and said network resources contained in said partitioned network allocated to that customer.

43. (Previously Presented) The system of claim 42, wherein said customer sub-filter is configured to apply on at least one of a node level and interface level of said service provider network.

44. (Previously Presented) The system of claim 41, wherein said security filter comprises:
an internet protocol (IP) host sub-filter configured to filter on a network name of a network device.

45. (Previously Presented) The system of claim 41, further comprising:
an internet protocol (IP) interface sub-filter of said security filter, said IP interface sub-filter configured to filter on an IP address of a network device.

46. (Previously Presented) The system of claim 41, wherein said display filter further comprises:

a node selection sub-filter configured to filter on network nodes of the service provider network.

47. (Previously Presented) The system of claim 41, wherein said display filter further comprises:

an interface selection sub-filter configured to filter on a set of at least one network.

48. (Previously Presented) The system of claim 41, wherein said modules comprise:

an alarm module configured to display alarm conditions in network resources to which said alarm module is applied.

49. (Previously Presented) The system of claim 48, wherein said display filter is configured to provide filtering capability of a display of alarm categories.

50. (Previously Presented) The system of claim 41, wherein said modules comprise:

providing a topology module configured to display at least a graphical representation of network elements and connections between said network elements.

51. (Previously Presented) The system of claim 50, wherein said display filter is configured to identify which of said network elements and network element connections to include in said topology map.

52. (Previously Presented) The system of claim 41, wherein said modules comprise:
a network health module configured to display a status or health report network resources to which said network health module is applied.

53. (Previously Presented) The system of claim 52, wherein said display filter is configured to identify which of said network elements to monitor for said status and health report.